

ABSTRACT OF THE DISCLOSURE

A scintillator panel having a wavelength conversion member has some problems: lowered durability to be caused by an area not covered with a protective layer

around a projection formed on the wavelength conversion member surface; lowered resolution response and CTF caused by an irregularity of the film thicknesses of wavelength conversion members and a variation in gaps between wavelength conversion members and sensor panels; and breakage of the sensor panel by projections when a radiation detector is formed by bonding the scintillator panel and sensor panel. At least one of these problems can be solved by a scintillator panel having projections on the wavelength conversion member surface whose sizes are reduced, and by a radiation detector having such a scintillator panel and a sensor panel bonded together.